| · 🖏 | Approved For Release 2003/02/17 . CIA-RDF / 0B0317 1A000400020036-0 | 25X′ |
|------|---|------|
| | 0191 DA | |
| | November 8, 1971 | |
| 25X1 | Box 8031, Southwest Station Washington D.C. 20024 | |
| | Box 8031, Southwest Station Washington D.C. 20024 | |
| 25X1 | | |
| 25X1 | When and I were visiting you last Thursday, you posed a question about why you perceived so little increase in brightness as a result of raising the luminance of your microscopic object ten times. | |
| | I discussed this question with here, who is an authority on visual problems. He did not appear at all surprised at the question, and stated that the eye adapts so rapidly that a change in object luminance by ten times might well be scarcely apparent to the average eye. However, and this is the important part, the ability of the eye to perform visual tasks is greatly improved by an increase in luminance, and you can therefore rest assured that you will be able to achieve better resolution and better contrast discrimination with the increased object luminance, even though it appears to be only a little brighter than before. | 25X^ |
| 25X1 | felt that the change in color of the illuminant from the blue fluorescent tube to a yellowish tungsten lamp would not contribute significantly to the situation. | |
| | I hope these few comments will be of value to you. | |
| | Sincerely, | |
| | | 25X^ |
| 25X1 | | |
| | | |

MEMORANDUM FOR: C/RED the

Tom,

you might find this

information useful, lieall
our conversations on the

tracking light source.

The

(DATE)

FORM NO. 101 REPLACES FORM 10-101
1 AUG 54

TOTAL MAY BE USED.

(47)

Approved For Release 2005/02/17 : CIA-RDP78B05171A000400020038-0 0191 DA HILS DATA auguage image hightest brightness Recommended brightness 30.10011? 1 Office Work RES (1) Free work Humberg from necessary at lond of the very seid Reflictature pages (1 60, 80% Effective brightness æt eye (2) 60-240ff 3000 Fl table brightness 1.0 2,0 1125. 225 ,16 bright mess w.th table 30,000 F1 1500 11,250 300 2250 8B05171A000400020038-0

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